

FIG. 1

REPLACEMENT SHEET

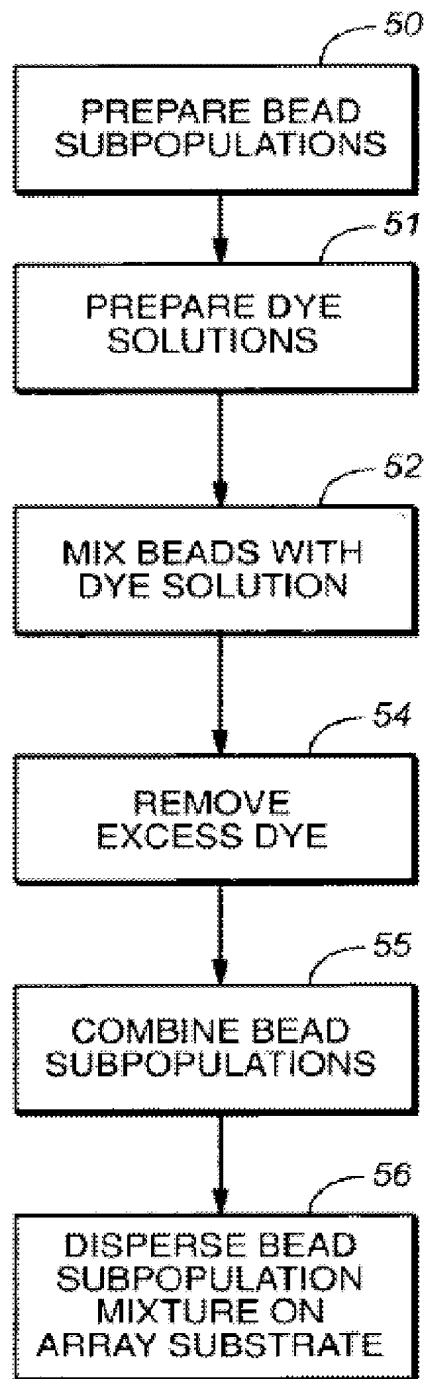


FIG. 2

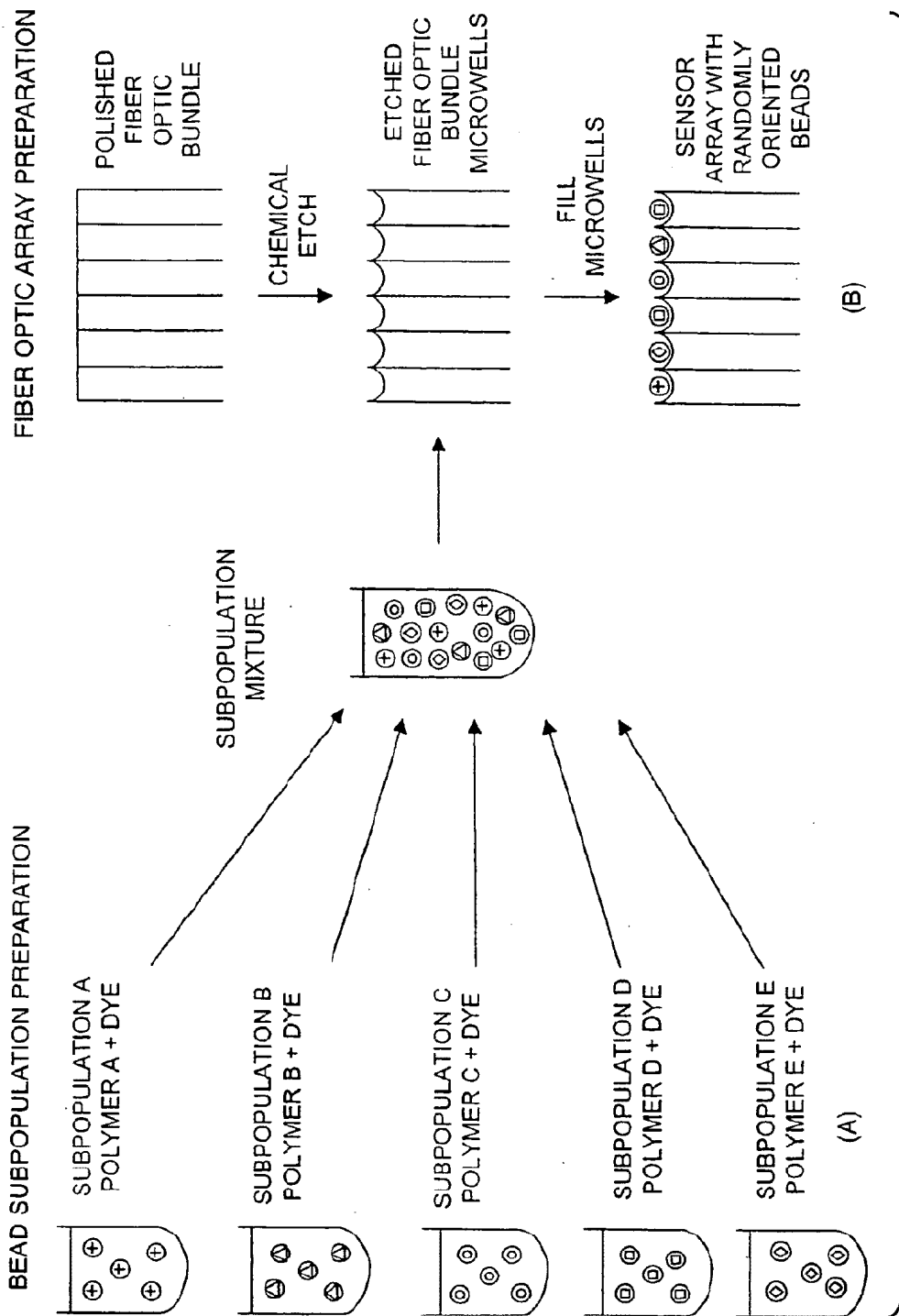


FIG. 3

REPLACEMENT SHEET

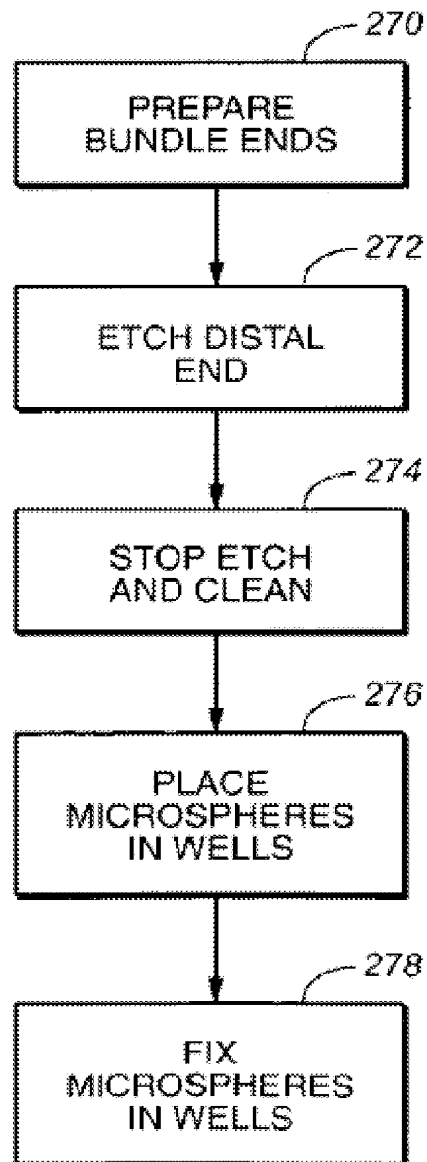
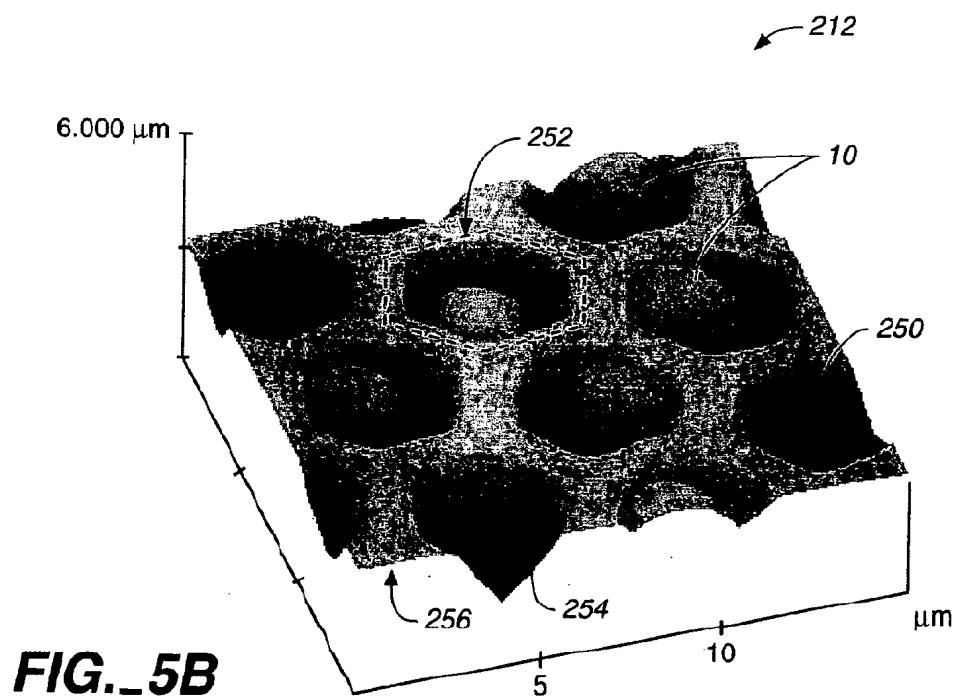
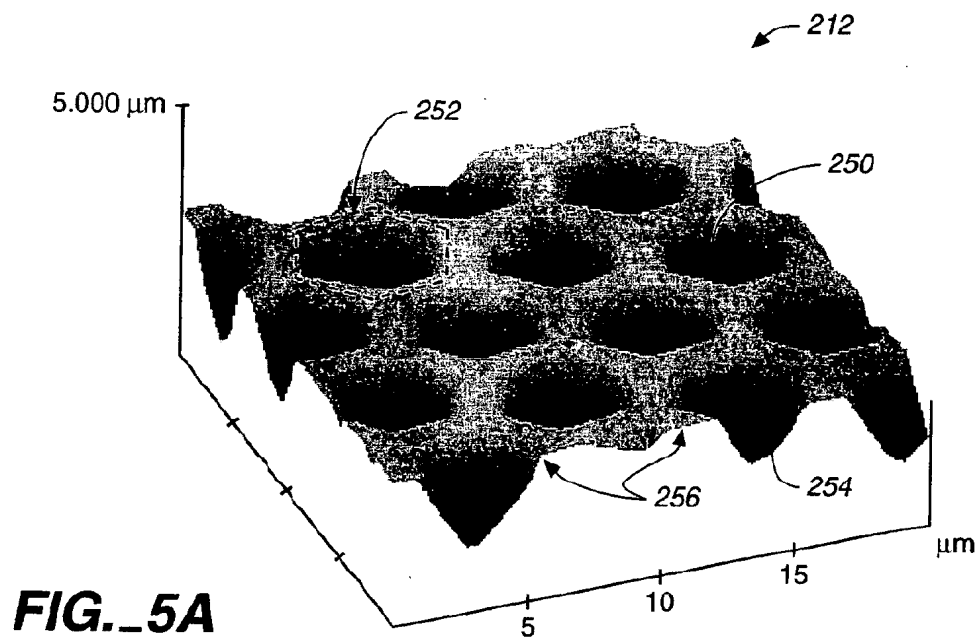


FIG. 4

REPLACEMENT SHEET



REPLACEMENT SHEET

FIG._6A

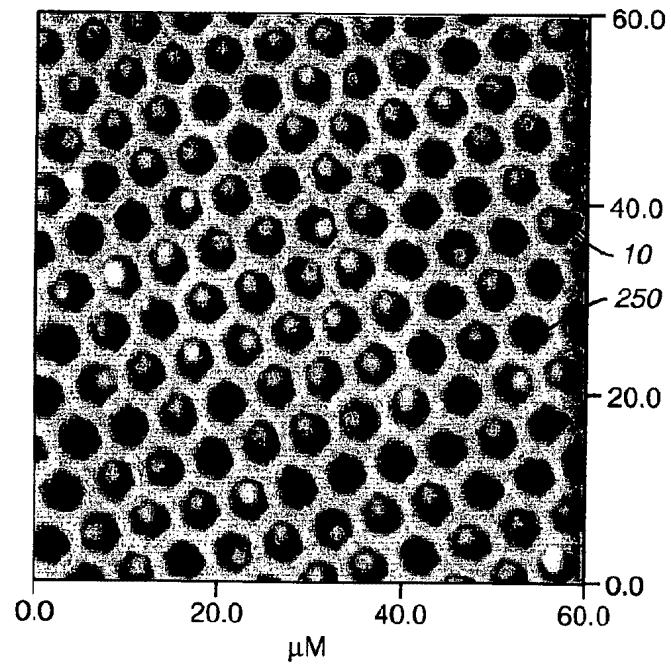
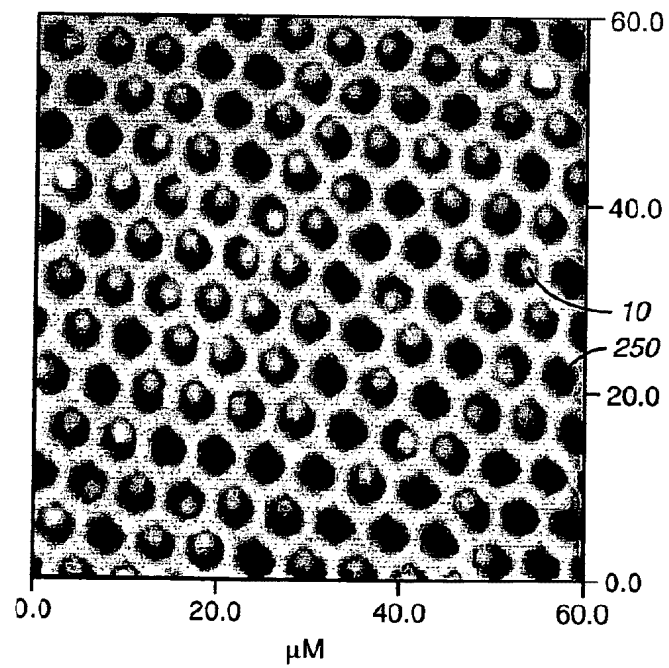


FIG._6B



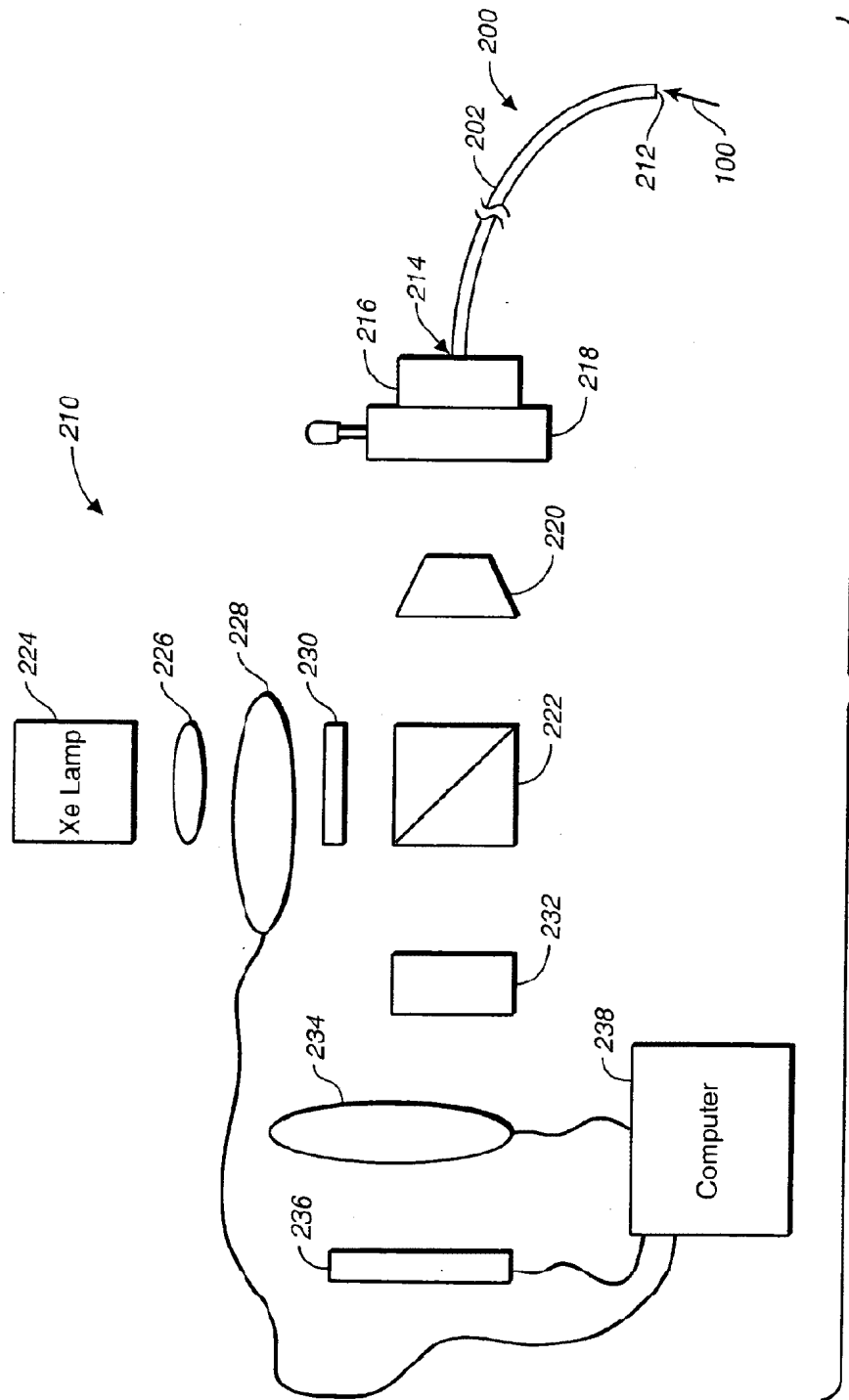
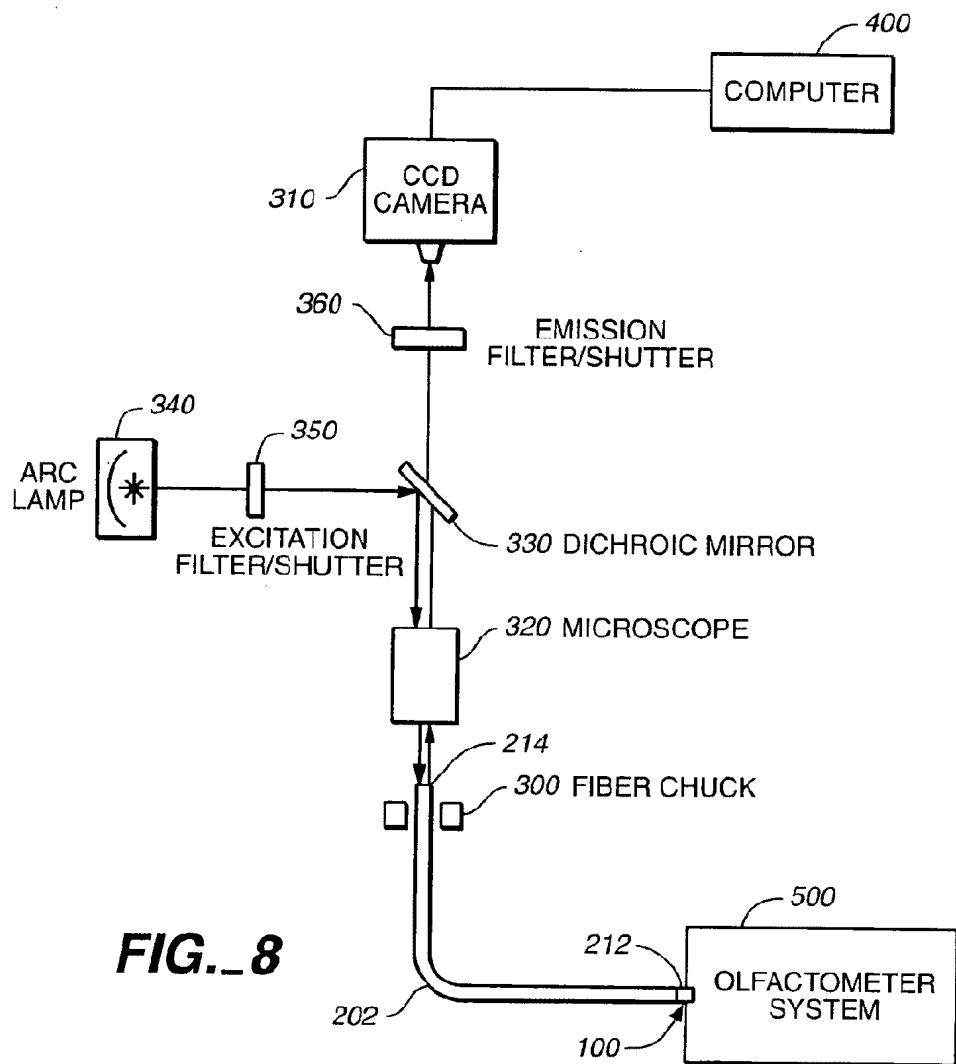
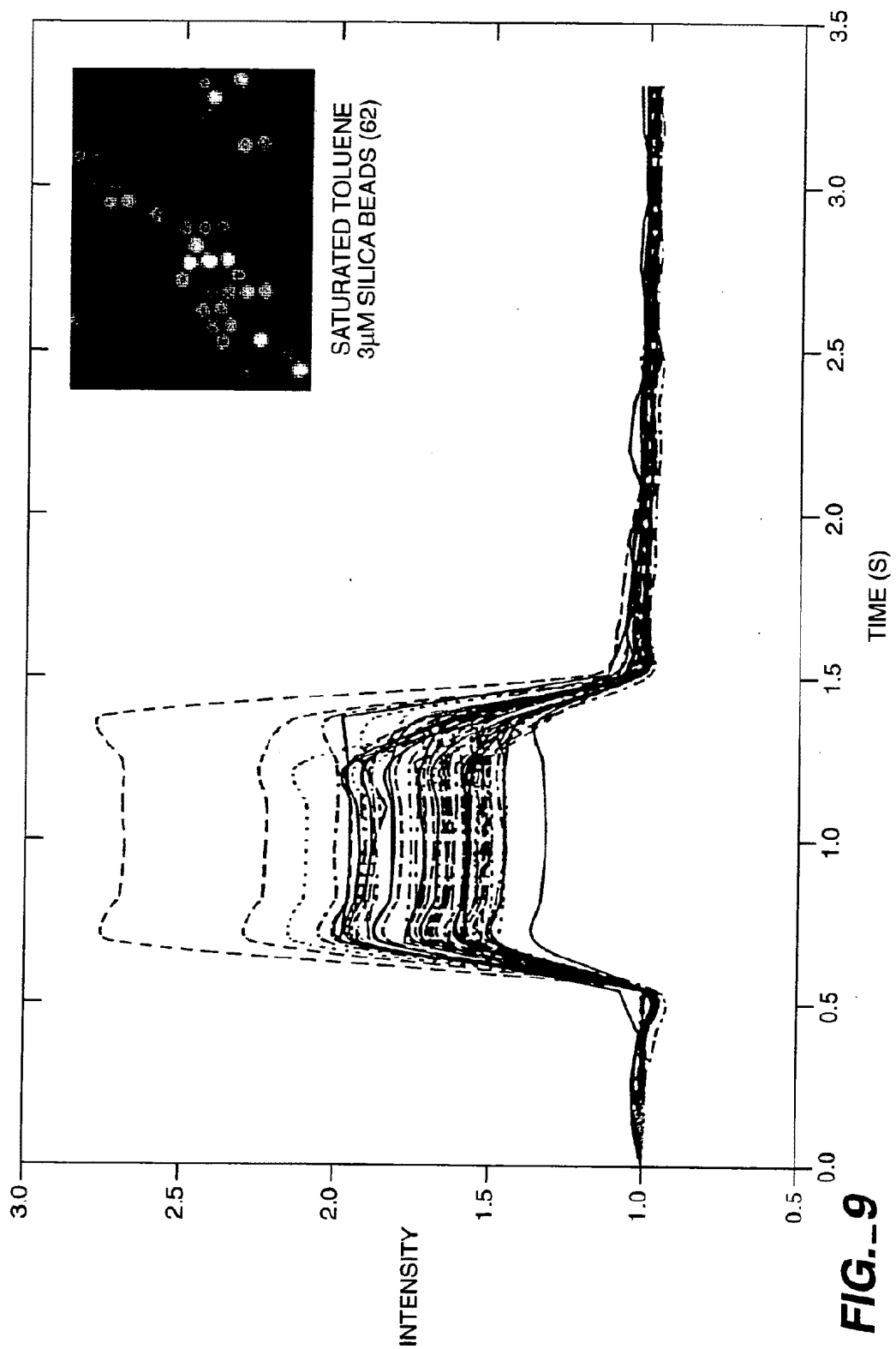
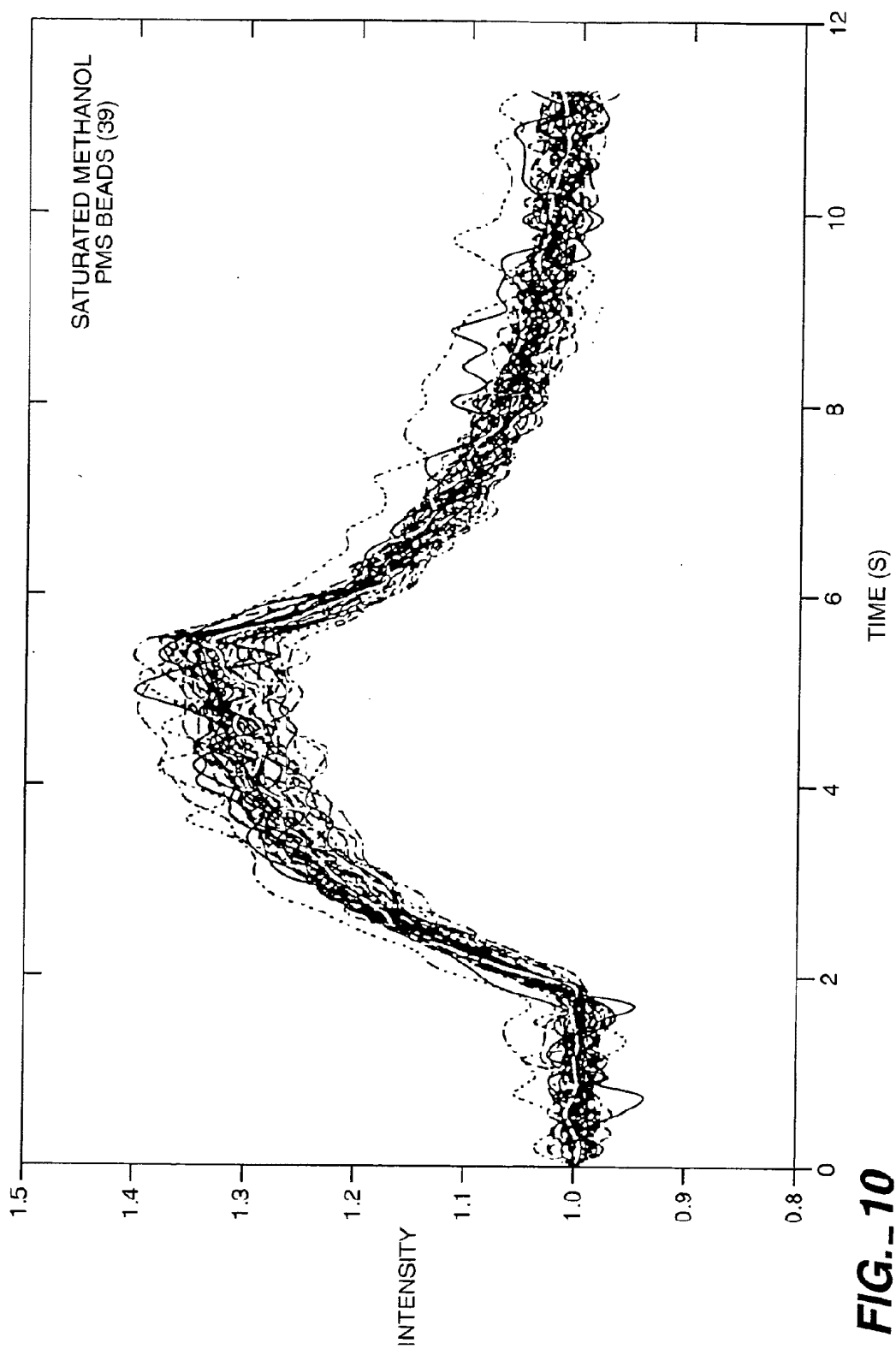


FIG. 7

REPLACEMENT SHEET







REPLACEMENT SHEET

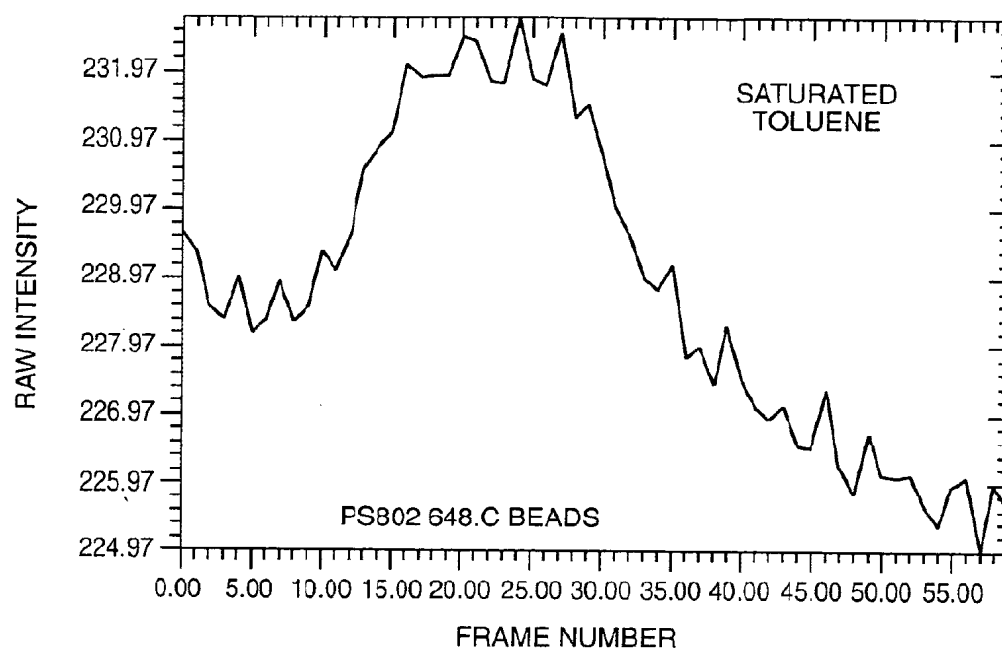


FIG._11A

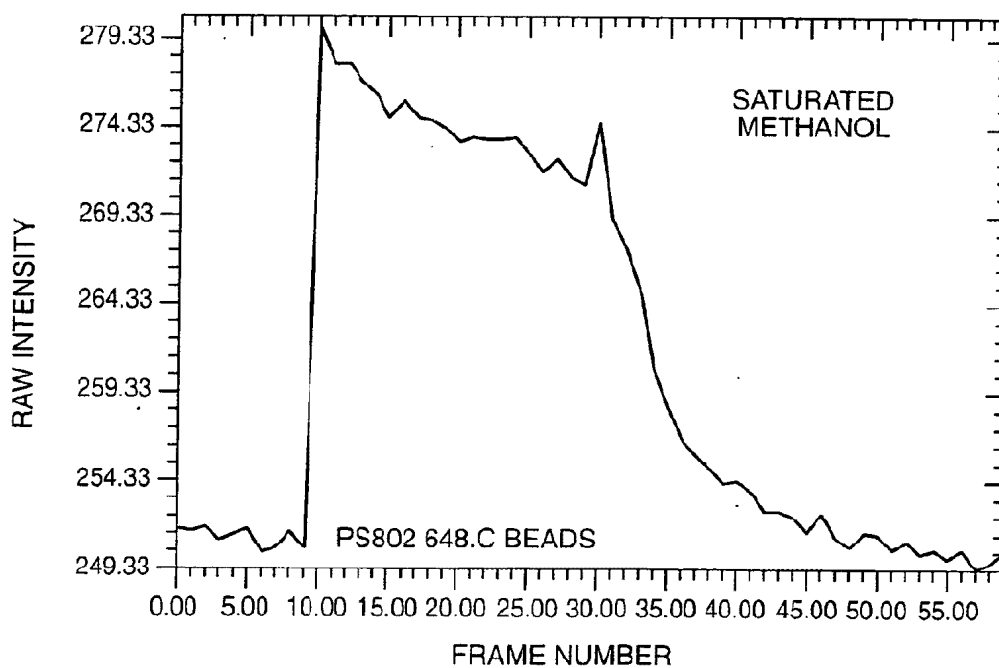


FIG._11B

REPLACEMENT SHEET

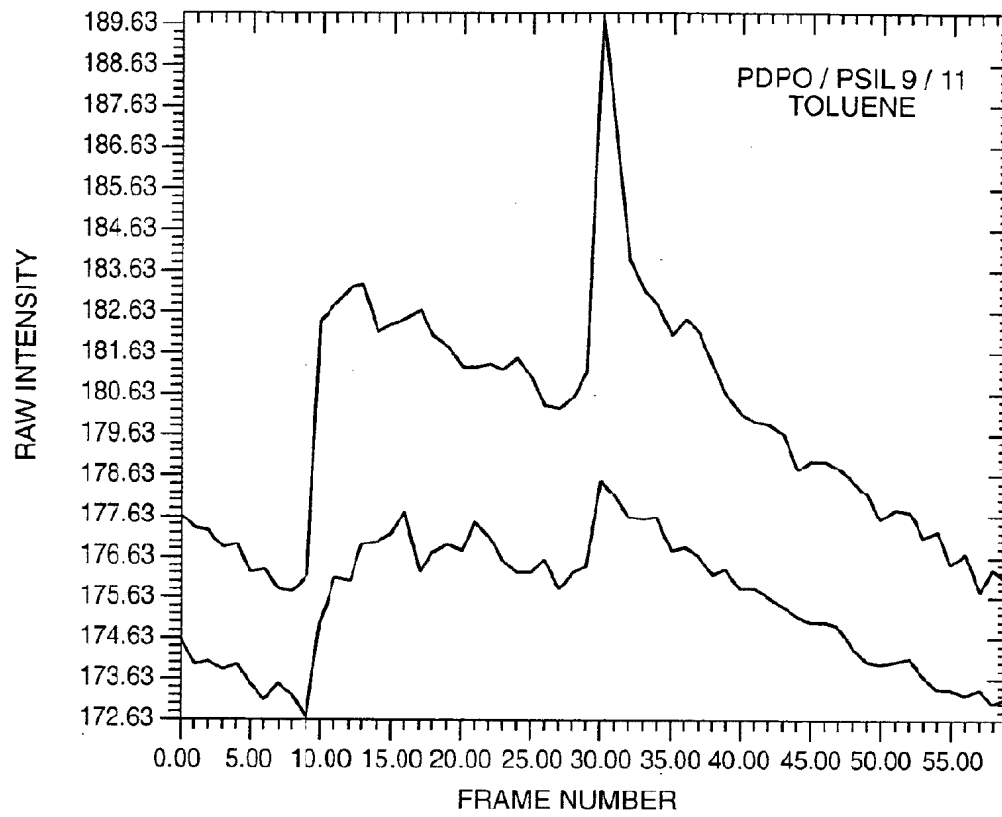


FIG._12A

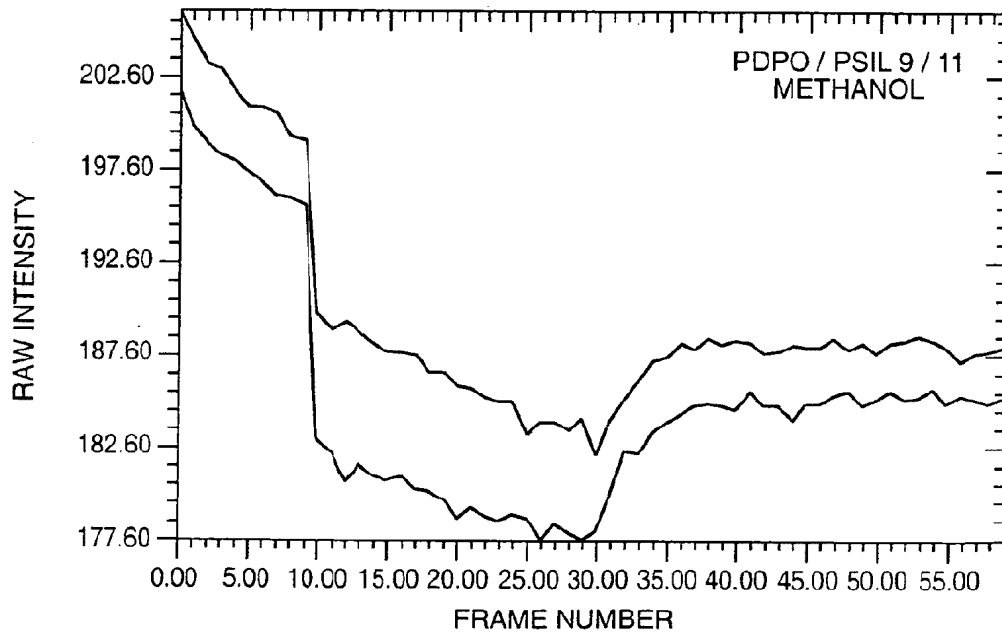
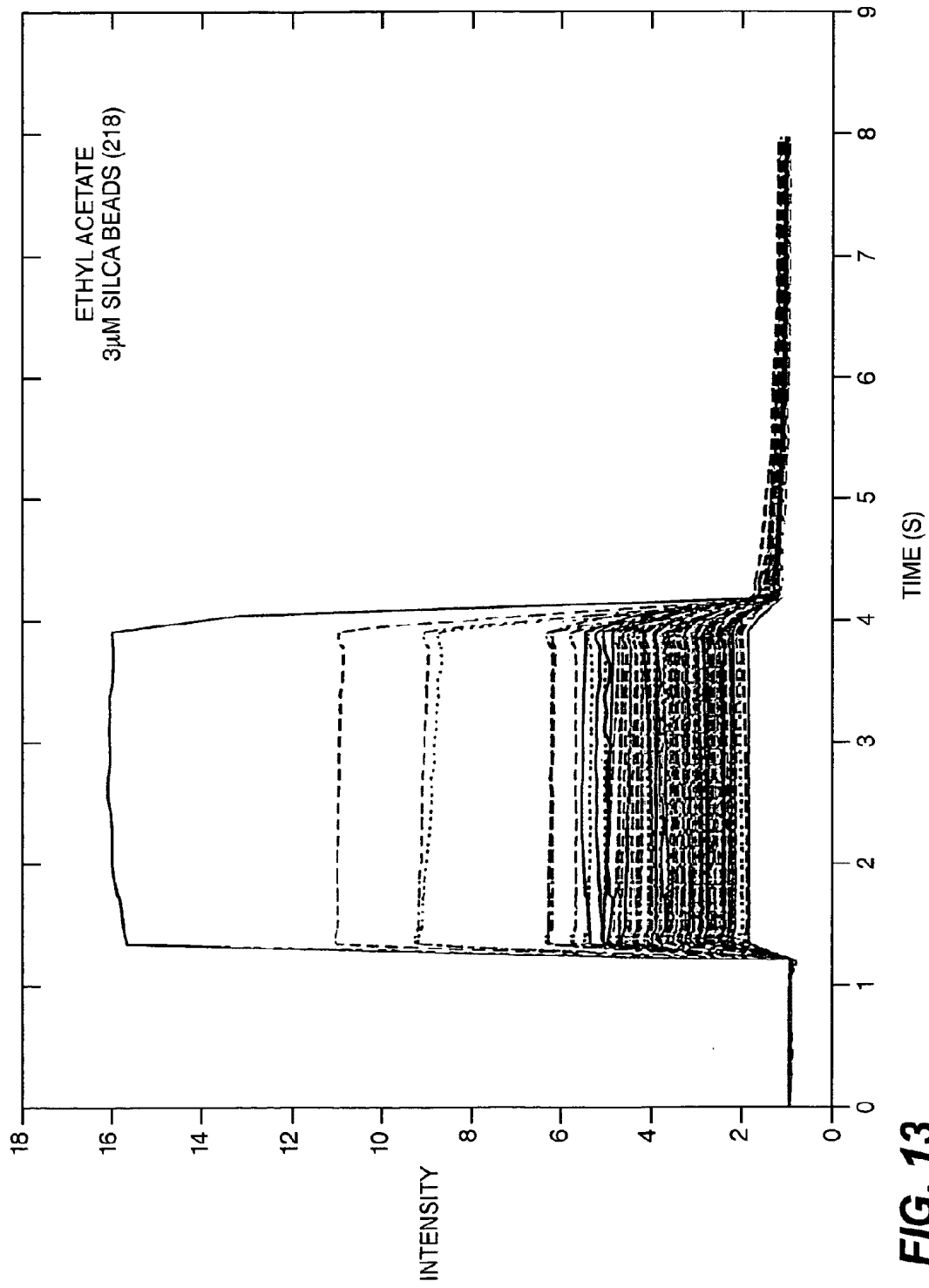
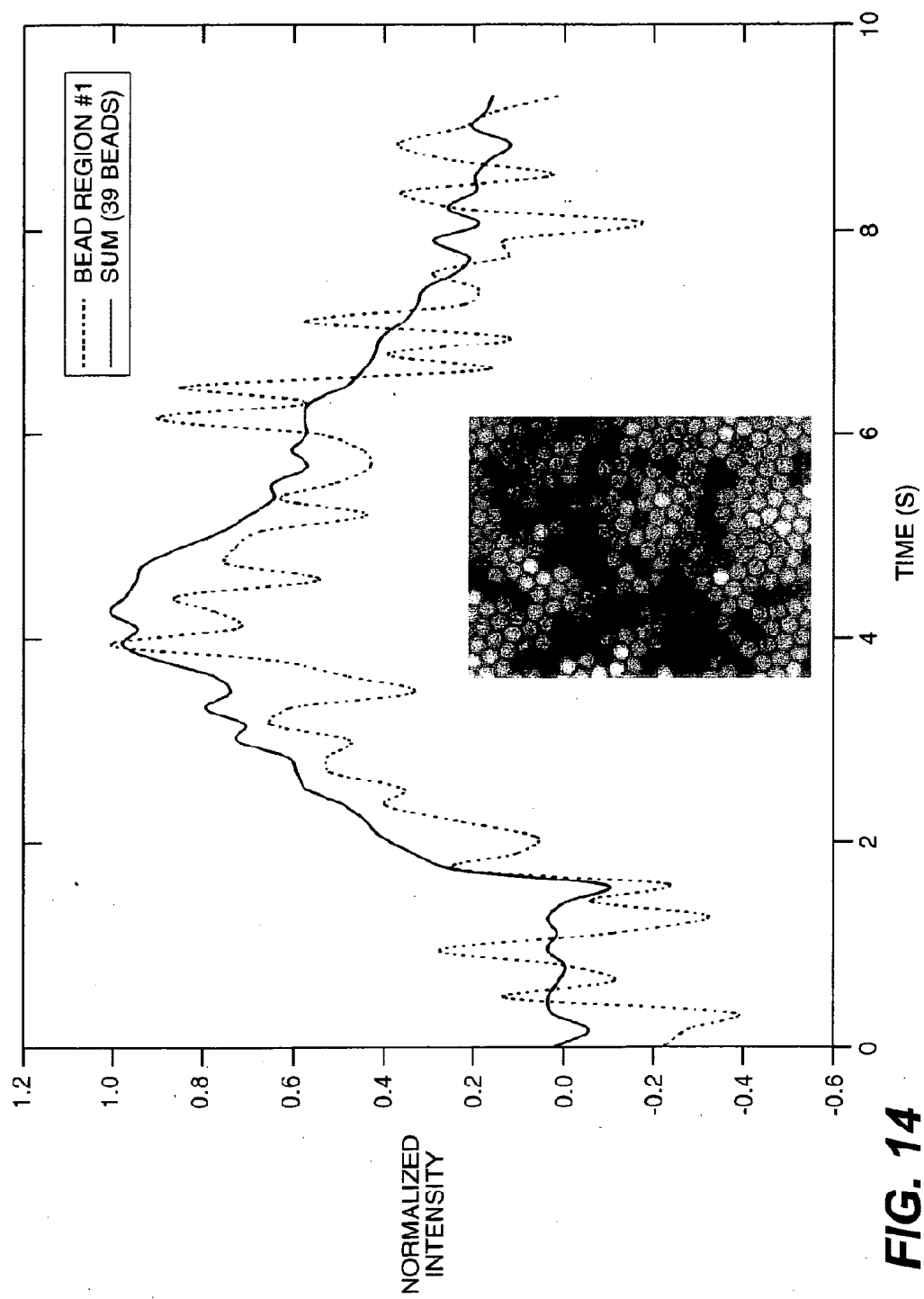


FIG._12B





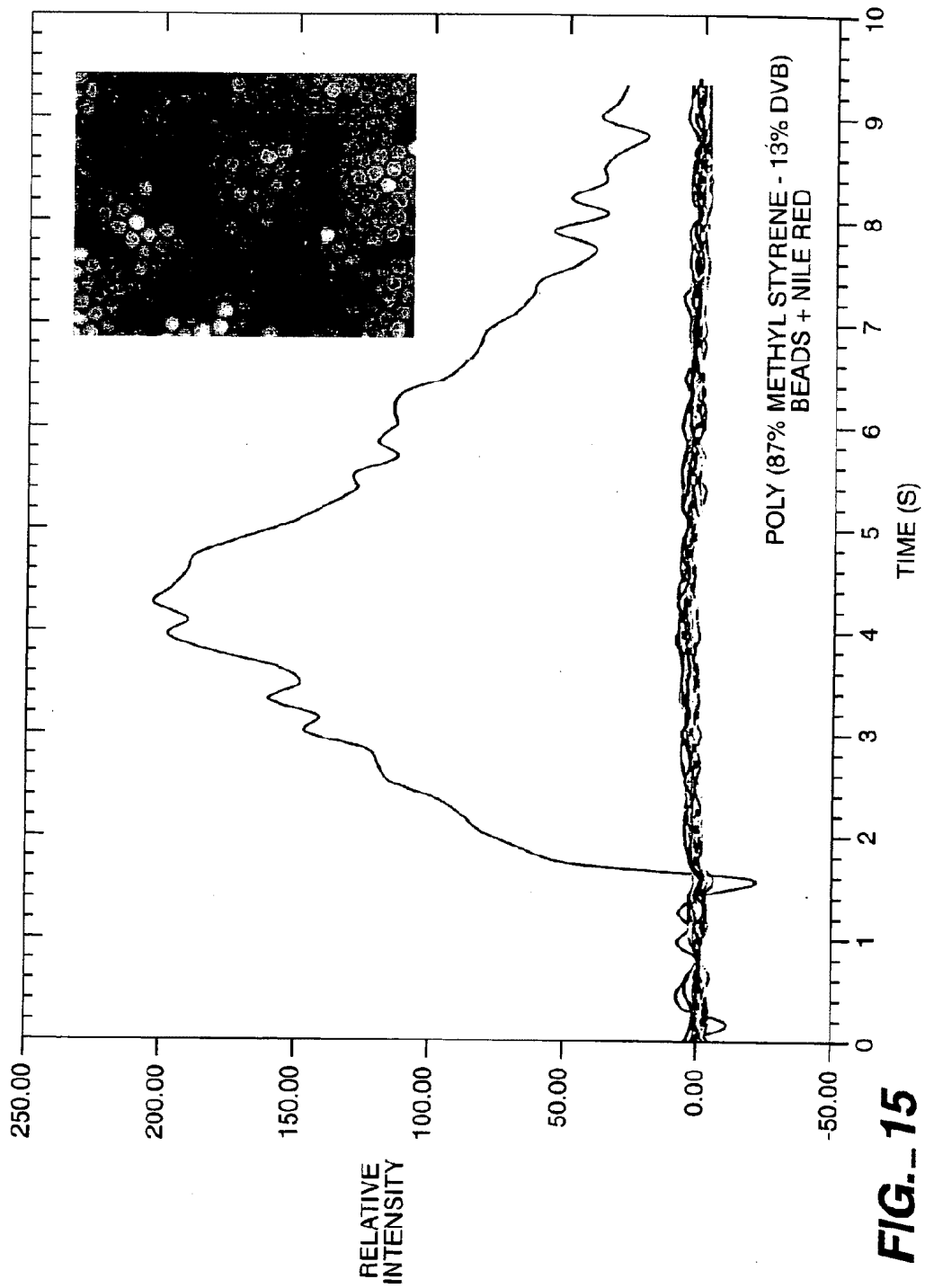


FIG._15

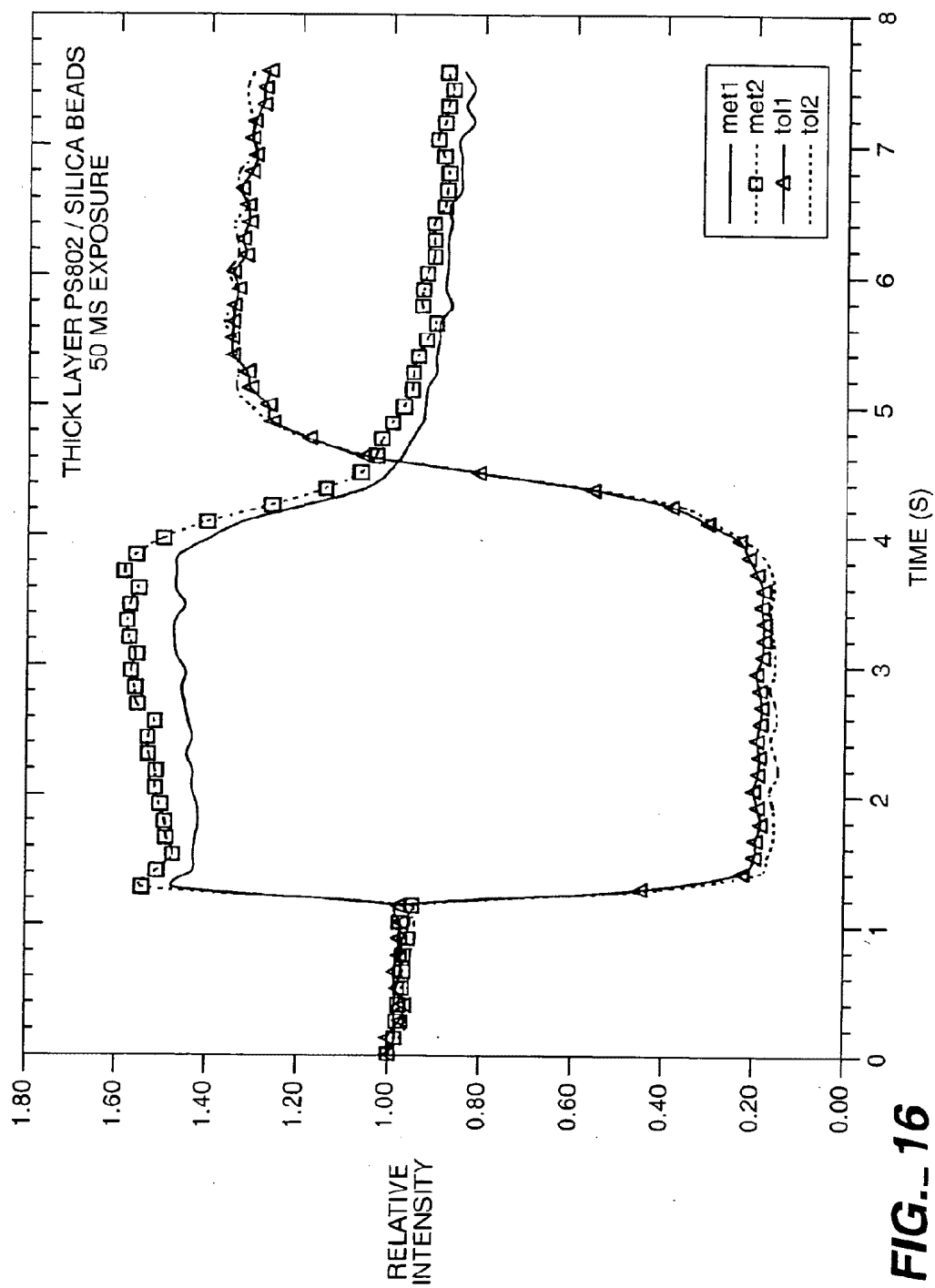


FIG.. 16

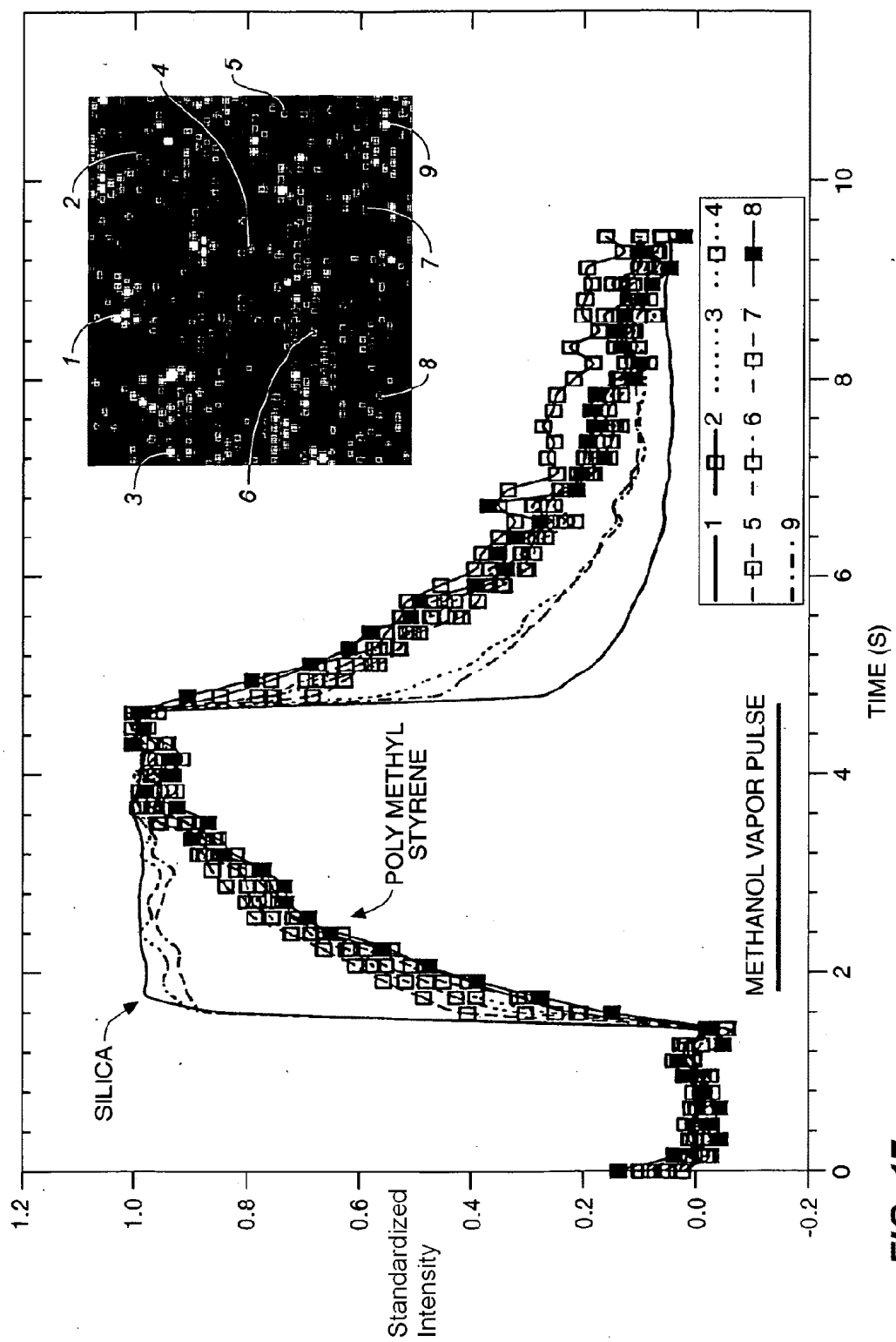


FIG. 17

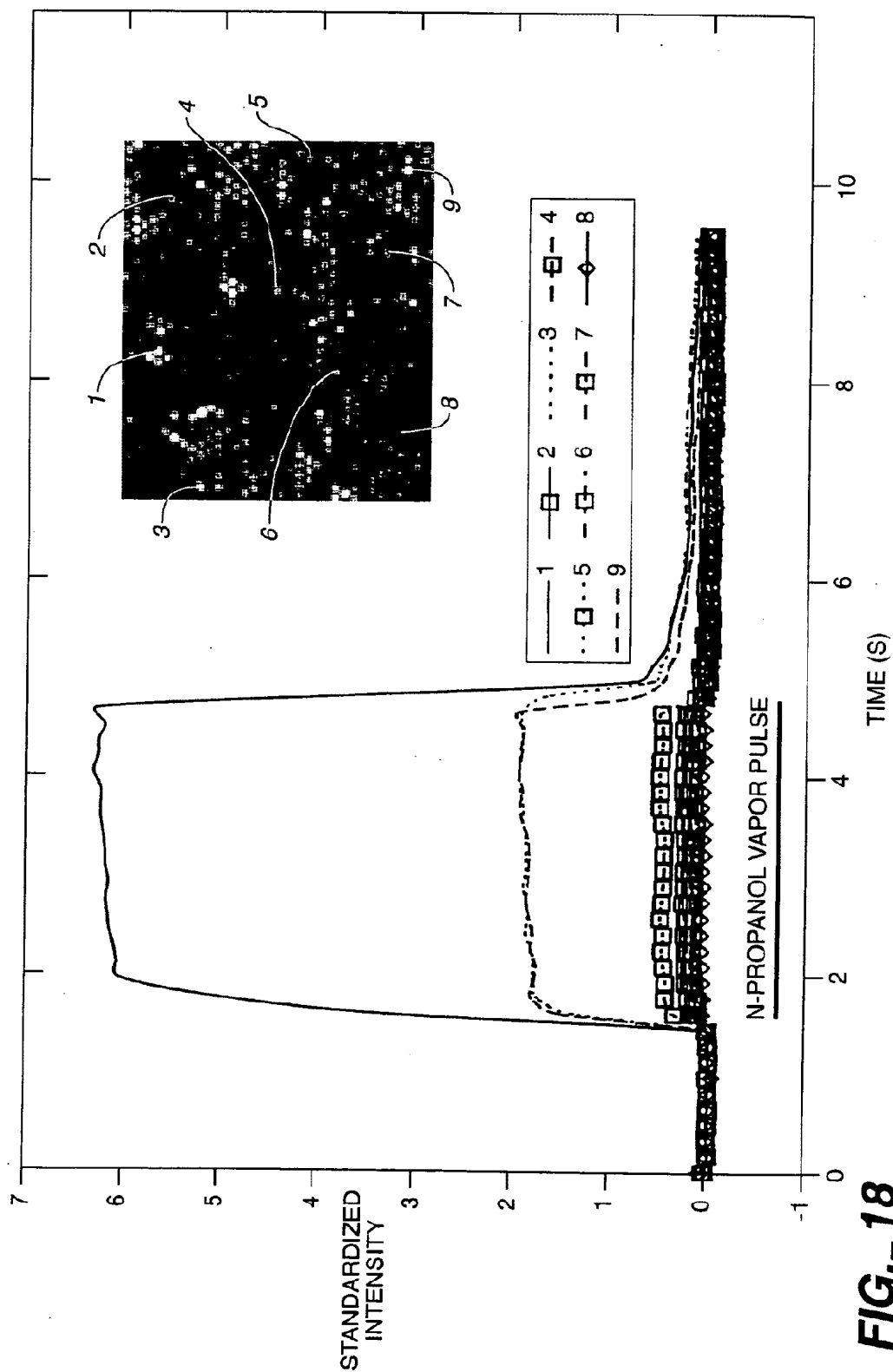


FIG.-18

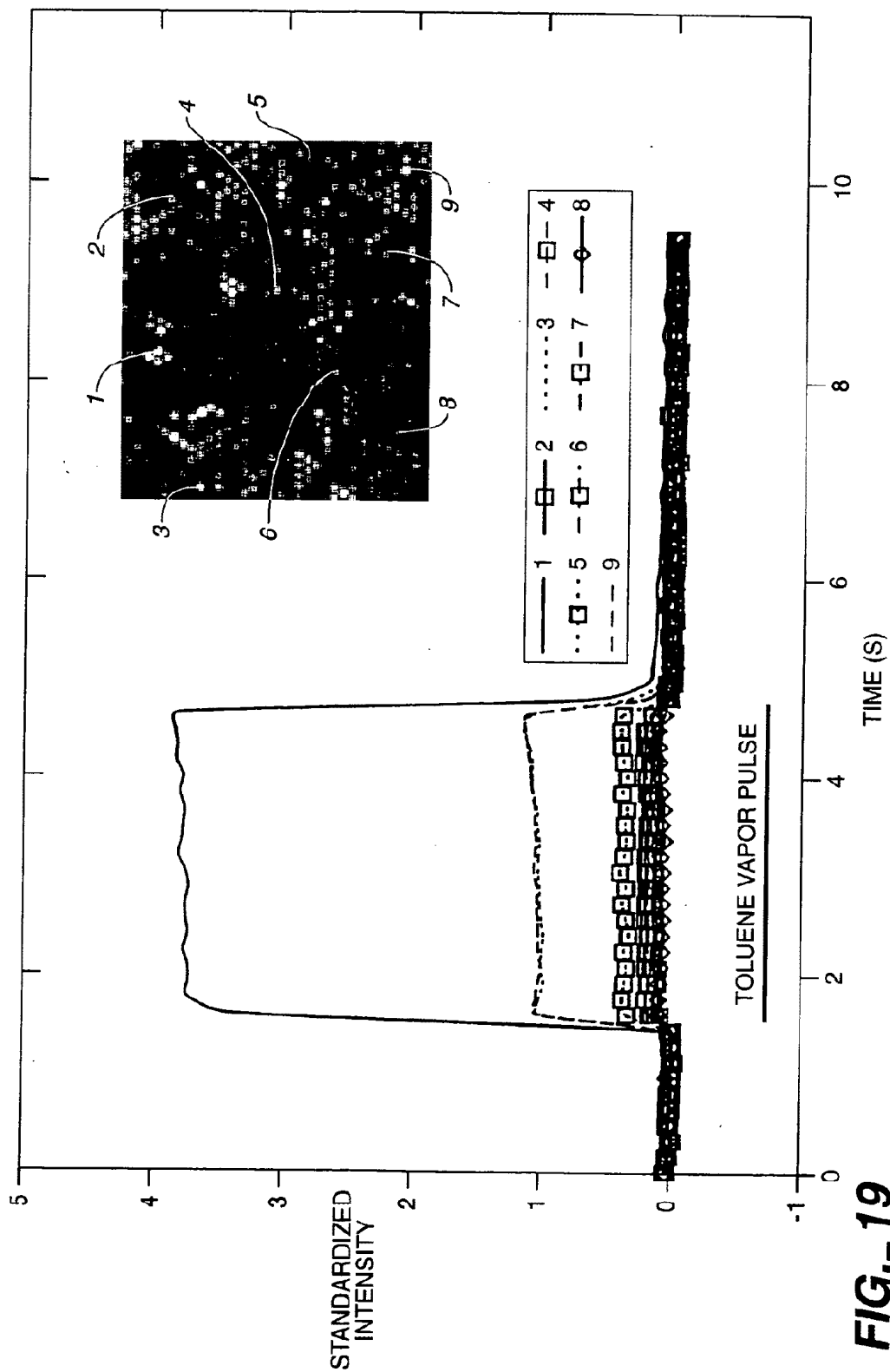
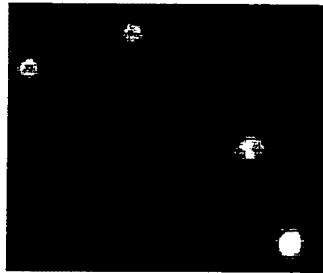


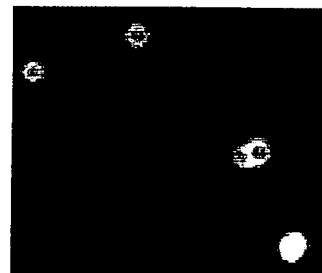
FIG. 19

REPLACEMENT SHEET

PS802 648.C

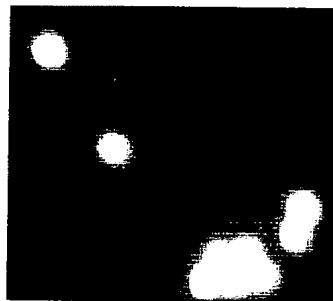


AIR

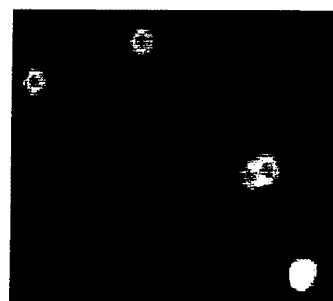


TOLUENE

POLY METHYL STYRENE /
2% DIVINYL BENZENE



AIR



TOLUENE

POLY METHYL STYRENE



AIR



TOLUENE

FIG. 20

REPLACEMENT SHEET

1) β -glo (segment of human β -globin) ²⁶ TCA ACT TCA TCC ACG TTC ACC (SEQ ID NO: 12)	14) complement to probe 1 TG AAC GTG GAT GAA GTT G (SEQ ID NO: 6)
2) IFNG (interferon gamma 1) ²⁶ IFNG TGG GTT CTC TTG GCT GTT ACT (SEQ ID NO: 13)	15) complement to probe 2 AG TAA CAG CCA AGA GAA CCC AAA (SEQ ID NO: 7)
3) IL2 (interleukin-2) ²⁶ TA CAA GAA TCC CAA ACT CAC CAG (SEQ ID NO: 14)	16) complement to probe 3 CT GGT GAG TTT GGG ATT CTT GTA (SEQ ID NO: 8)
4) IL4 (interleukin-4) ²⁶ CC AAC TGC TTC CCC CTC TGT (SEQ ID NO: 15)	17) complement to probe 4 AC AGA GGG GGA AGC AGT TGG (SEQ ID NO: 9)
5) IL6 (interleukin-6) ²⁶ GT TGG GTC AGG GGT GGT TAT T (SEQ ID NO: 16)	18) complement to probe 5 AA TAA CCA CCC CTG ACC CAA C (SEQ ID NO: 10)
6) K-ras WT ²⁷ GGA GCT GGT GGC GTA (SEQ ID NO: 17)	19) complement to probe 6 TAC GCC ACC AGC TCC (SEQ ID NO: 25)
7) H-ras WT ²⁷ CCG GCG GTG T (SEQ ID NO: 18)	20) complement to probe 7 ACA CCG CCG G (SEQ ID NO: 26)
8) CFTR (cystic fibrosis exon 11) ¹³ CAT TAT ACT TGT AGA G (SEQ ID NO: 19)	21) complement to probe 8 CTC TAC AAG TAT AAT G (SEQ ID NO: 27)
9) R553X (cystic fibrosis exon 10) ¹³ TGT AGA ATT ATC TTC (SEQ ID NO: 20)	22) complement to probe 9 GAA GAT GTT AAA GTA TAG AGG (SEQ ID NO: 28)
10) PAN132 ¹⁶ (human peripheral lymphocyte) CCT CTA TAC TTT AAC GTC AAG (SEQ ID NO: 21)	23) complement to probe 10 CTA GAC GTT AAA GTA TAG AGG (SEQ ID NO: 29)
11) Scherm-2 ¹⁶ AAG TTT AAC CTA TAC CCT GTC (SEQ ID NO: 22)	24) complement to probe 12 CTA TAT TCA TCA TAG G (SEQ ID NO: 30)
12) Hakala-1 ²⁰ CCT ATG ATG AAT ATA G (SEQ ID NO: 23)	25) complement to probe 13 AGG CCA TTA TCA TAT T (SEQ ID NO: 31)
13) Hakala-2 ²⁶ AAT ATG ATA ATG GCC T (SEQ ID NO: 24)	

FIG. 21

REPLACEMENT SHEET

Probe	[Cy5]	[Tamra]	[Eu-dye]	Correct Target Identification
HWt	1		0.1	93%
Bglo	0.5		0.05	88%
KWt	0.5		0.005	91%
IL6	0.1		0.1	96%
IL4	0.1		0.005	95%
IFNG		0.4	0.005	95%
IL2		0.04	0.05	98%

FIG. 22

REPLACEMENT SHEET

Target Identity	No. of beads in analysis section	[Cy5]	[Tamra]	[Eu-dye]	Correct Target Identification
2	19		3	0.5	89%
4	15	0.01	0.1	0.1	87%
5	13		0.1	0.1	100%
9	5	0.01			100%
10	14			0.001	86%
11	12		0.1		92%
15	8	0.01	0.1		100%
16	24	0.1			92%
21	21	0.1	3		95%
24	16	0.3	3		94%

FIG. 23

Sequences	Number of microspheres	Mean background ± s.d.	Fluorescence after hybridization	Signal
Complementary target	10	997.01 ± 4.62	1036.94	39.93
	10	1003.46 ± 6.05	1035.83	32.37
	10	957.44 ± 5.59	985.25	27.81
	100	977.88 ± 3.21	1010.74	32.86
Poly A	10	1213.79 ± 6.33	1221.61	(7.81)
	10	1185.25 ± 9.39	1194.74	(9.49)
	10	1190.20 ± 4.85	1198.35	(8.15)
	100	1190.67 ± 4.05	1199.81	(9.14)
IL2	10	1090.58 ± 4.97	1096.11	(5.53)
	10	1120.62 ± 3.09	1113.88	(-6.74)
	10	1101.82 ± 5.51	1091.28	(-10.55)
	100	1104.36 ± 1.40	1103.06	(-1.30)

FIG. 24

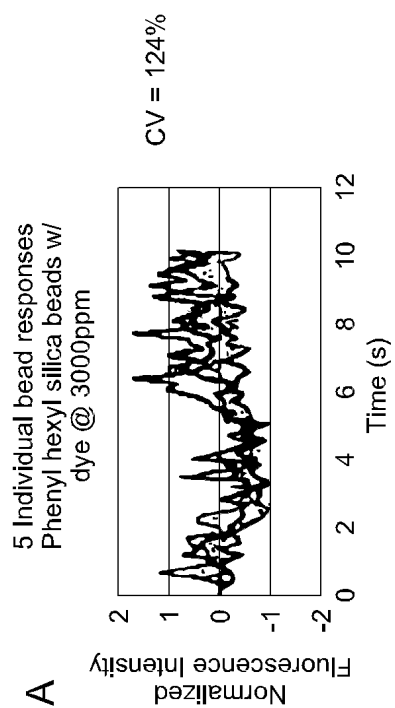


FIG. 25

REPLACEMENT SHEET

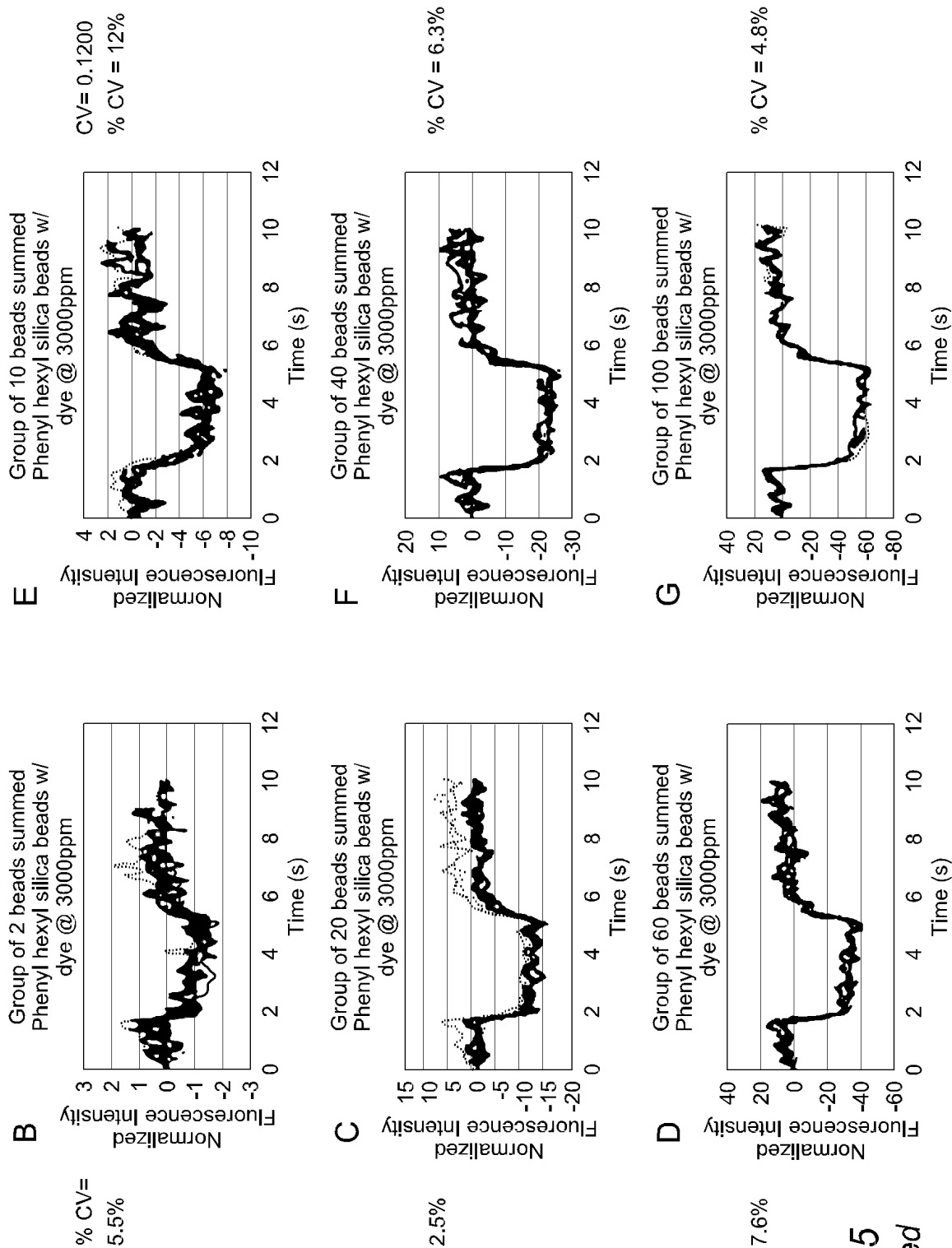


FIG. 25
Continued